



AutoCAD Submittal Requirements

1. Adherence to the Tri-Service A/E/C CADD Standard version 3.0 (referred to from here on out as “the Standard”).

- a. Paper space and Model space file organization approach is acceptable as long as it follows the requirements outlined in the Standard.
- b. Any changes to the Standard deemed necessary to complete the submittal package will be documented and delivered with the submittal. Variances are to be documented and clearly highlighted in the provided **A/E/C CADD Standard Layer** spreadsheets.
- c. All variances are to be consistent across all submitted drawings.
- d. See: <https://tsc.wes.army.mil/products/standards/aec/aecstdweb.asp>

2. General

- a. Graphics are dimensionally correct and Civil and Geotechnical files located in proper geospatial coordinates.
- b. Sheet Files and/or files utilizing Paper Space will reference the Standard ANSI D size Border Sheet (provided in the **Seattle District CADD Template** files). See: http://www.nws.usace.army.mil/PublicMenu/Menu.cfm?sitename=CADD&pagename=cadd_standards
- c. A/E will include all files, both graphic and non-graphic, required for the project, including but not limited to color tables, pen tables, font libraries, blocks, macros, and plotter configuration files.
- d. A/E will provide all resources required for the Seattle District to produce a printed hardcopy that matches the hardcopy provided by A/E for contract advertising. Utilization of e-Transmit and the associated Transmittal Report is preferred.

3. Files and Directories

- a. CAD files are to be delivered in AutoCAD version 2004 or later.
- b. All files should be named according to the Standard. Utilization of the optional 0-20 character Project Code is required. The minimum Project Code length is 4 characters and is required to be coordinated up front with the Seattle District.
- c. The Project Code will be utilized as the name for the main Project Directory which contains each discipline's directories as specified in Discipline Designators table the Standard.
- d. The Project Code will be utilized as the prefix for all file names.
- e. Sheets are to be ordered according to the Standard.

- f. A/E will provide a Drawing Index which includes a list of all Sheet and Model files, according the **Seattle District Drawing List Template**.
- 4. Content**
- a. All bid-period drawing amendments are to be included.
 - b. Eliminate extraneous geometry from drawings.
- 5. Text**
- a. Standard font is Arial for all text except titles.
 - b. Standard text height is 1/8" or 3mm.
 - c. Titles use 1/4" or 6mm high text.
 - d. Text for Cover Sheets and Border Sheets should modify the existing text in the provided NWS CADD Template files. See:
http://www.nws.usace.army.mil/PublicMenu/Menu.cfm?siteName=CADD&pageName=cadd_standards
- 6. Dimensions**
- a. Require utilization of arrowheads.
 - b. Creation of dimensions as dimension elements.
- 7. Referencing**
- a. Remove unused reference files.
 - b. All reference files are to be attached without device or directory specifications and should utilize relative referencing.
 - c. All references are to be to files within the project directory.
 - d. Sheet files may not reference other sheets, and the contents of Sheets and Models should adhere to the Standard.
 - e. Upon delivery references should remain intact, ie. Model content should not be merged or bound to the Sheets.
- 8. Symbolology**
- a. All geometry symbolology must be assigned "ByLayer".
 - b. All geometry should utilize line weight symbolology settings defined by the layer (see ByLayer above) instead of utilizing line weights by color.
 - c. All geometry half-toning must utilize colors defined in the Standard for this purpose.
- 9. Miscellaneous**
- a. All proxy graphics produced by vertical applications (such as Architectural Desktop or Land Desktop) shall be converted to a form that is compatible with a configuration of AutoCAD which does not have any additional vertical applications installed.